

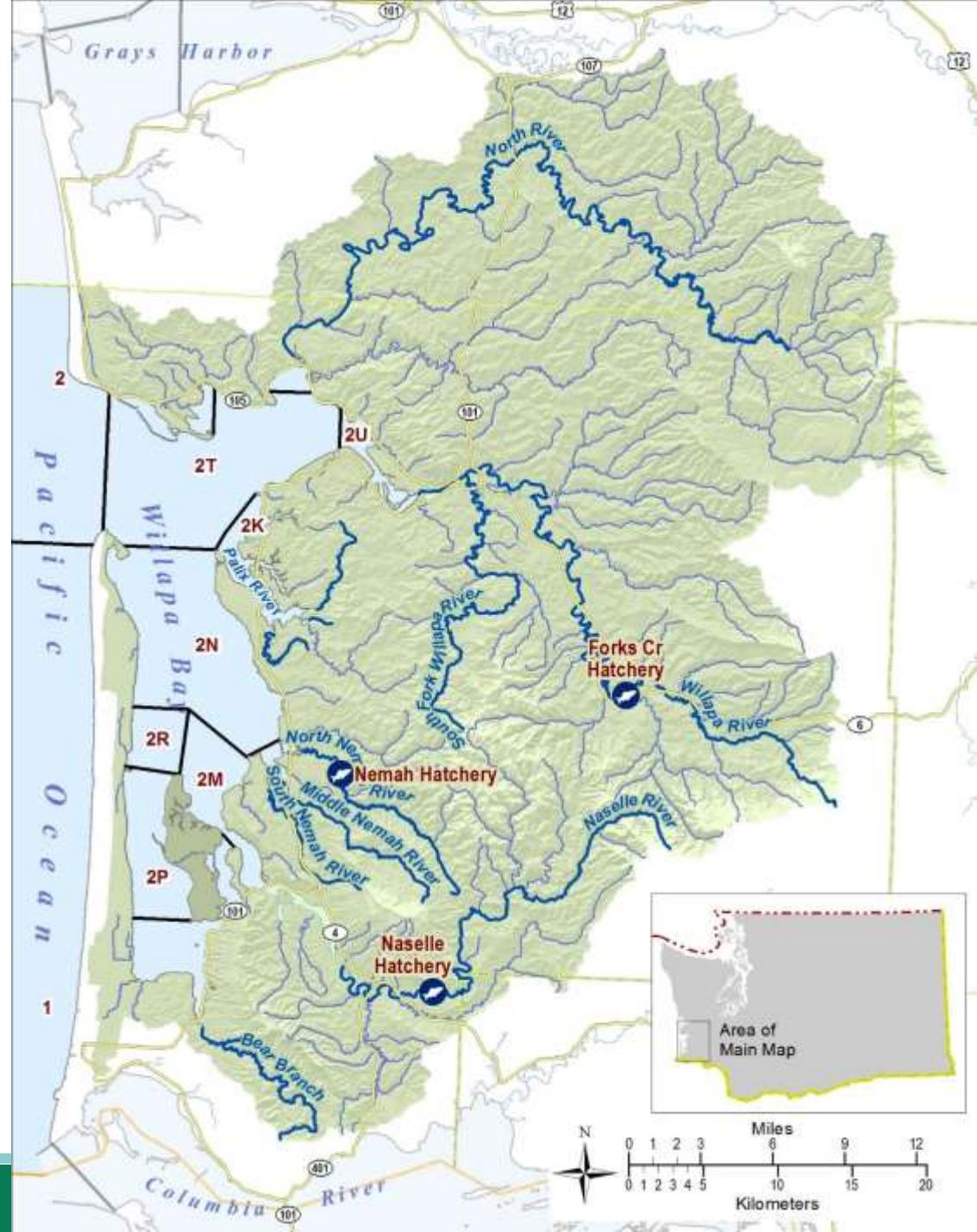
# Willapa Bay Salmon Policy Background & Revisions

Ron Warren  
Marlene Wagner  
June 24, 2021



# Willapa Bay Background

- 6 major rivers
- 3 hatcheries
- limited knowledge of historic species distribution
- currently, all streams support populations of each species.



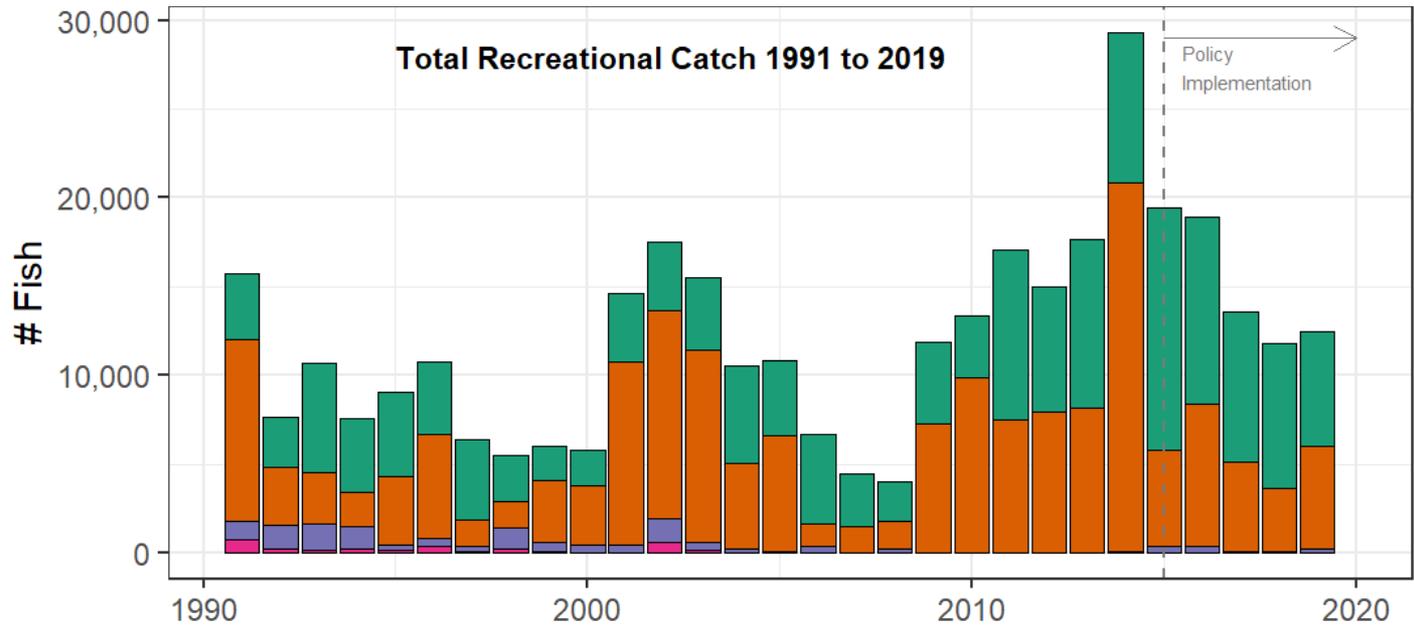
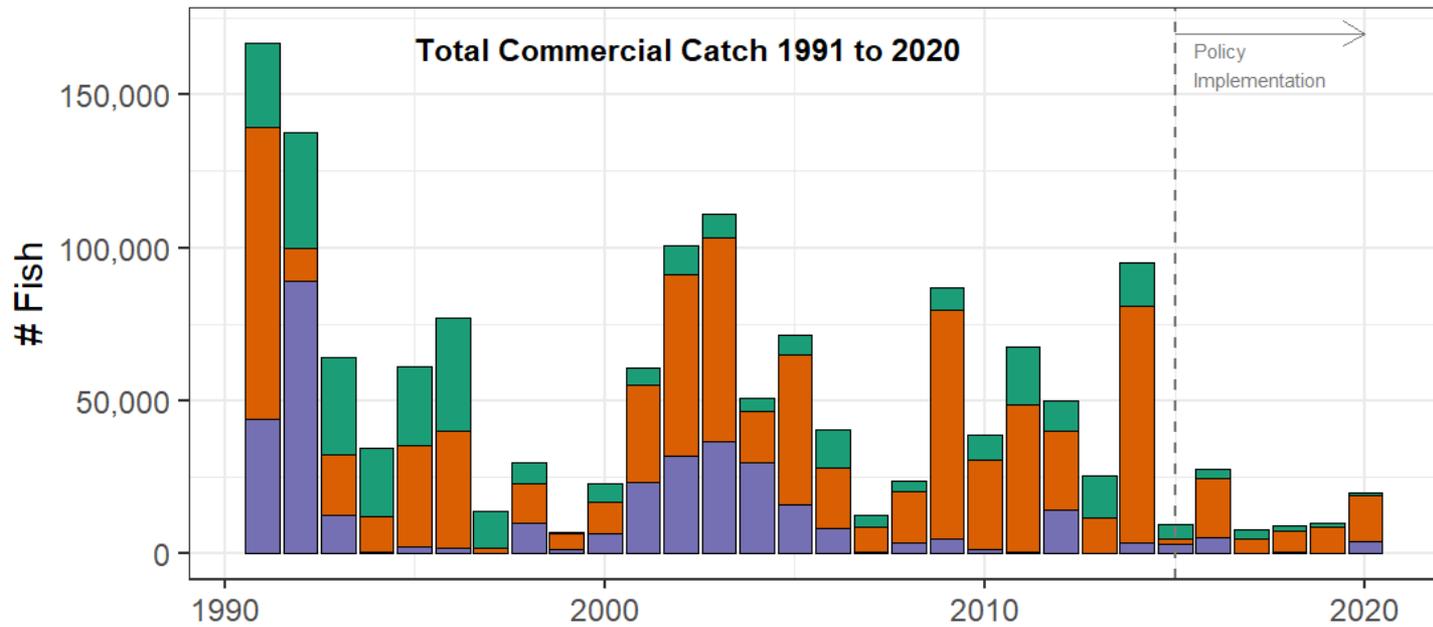


# FISHERIES

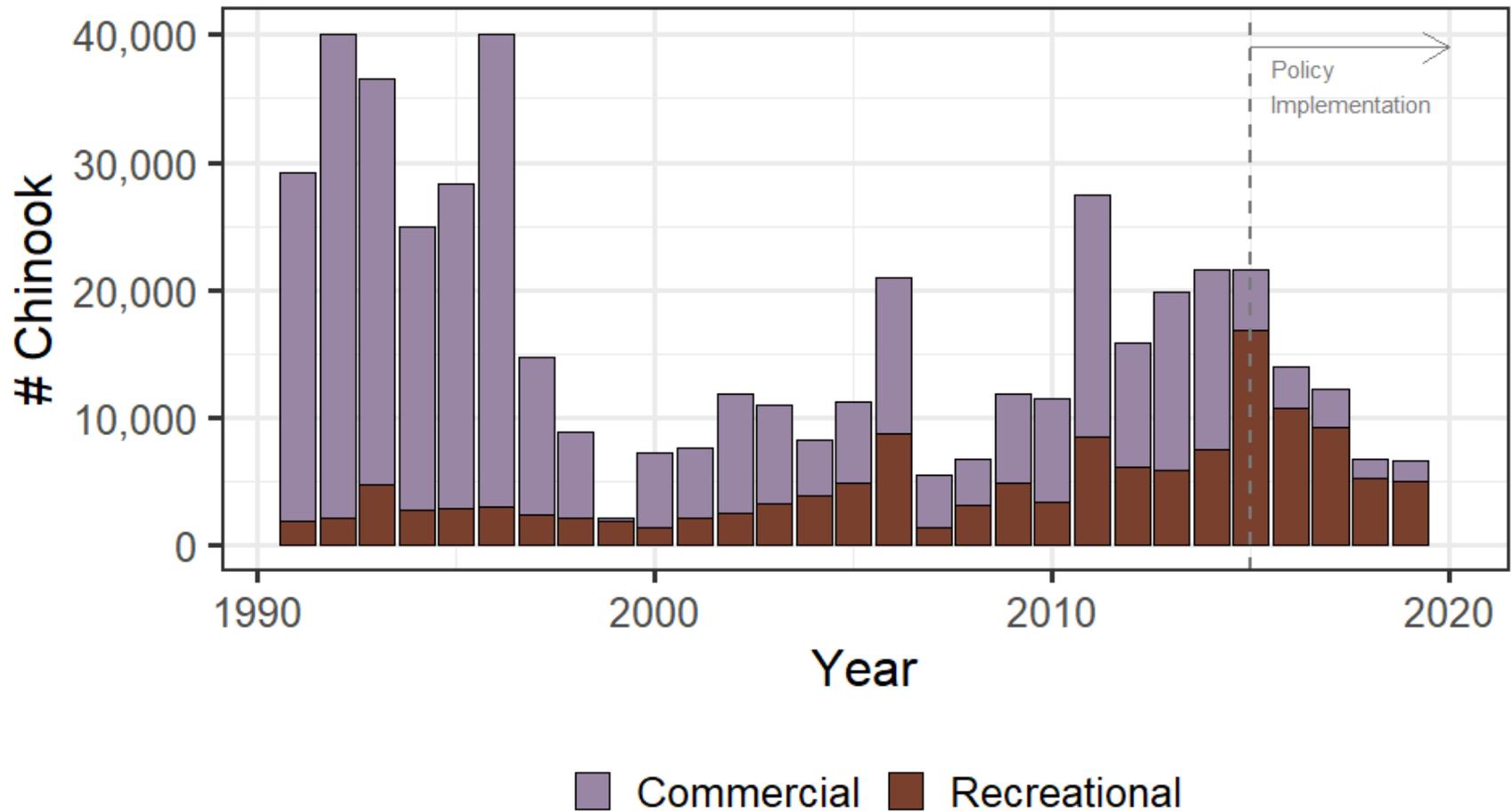
# Fisheries by Sector



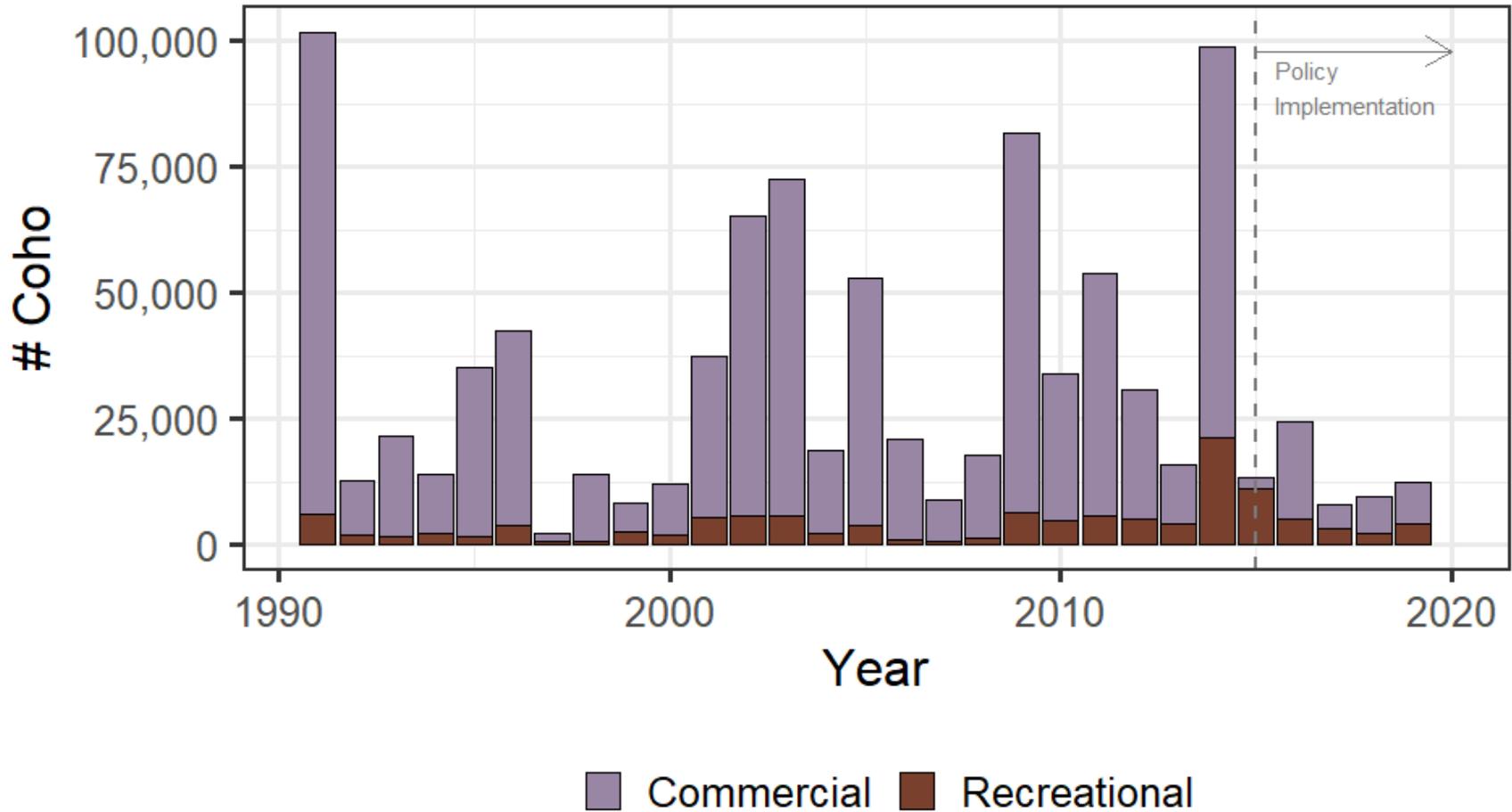
\*Note that y-axes are to different scales



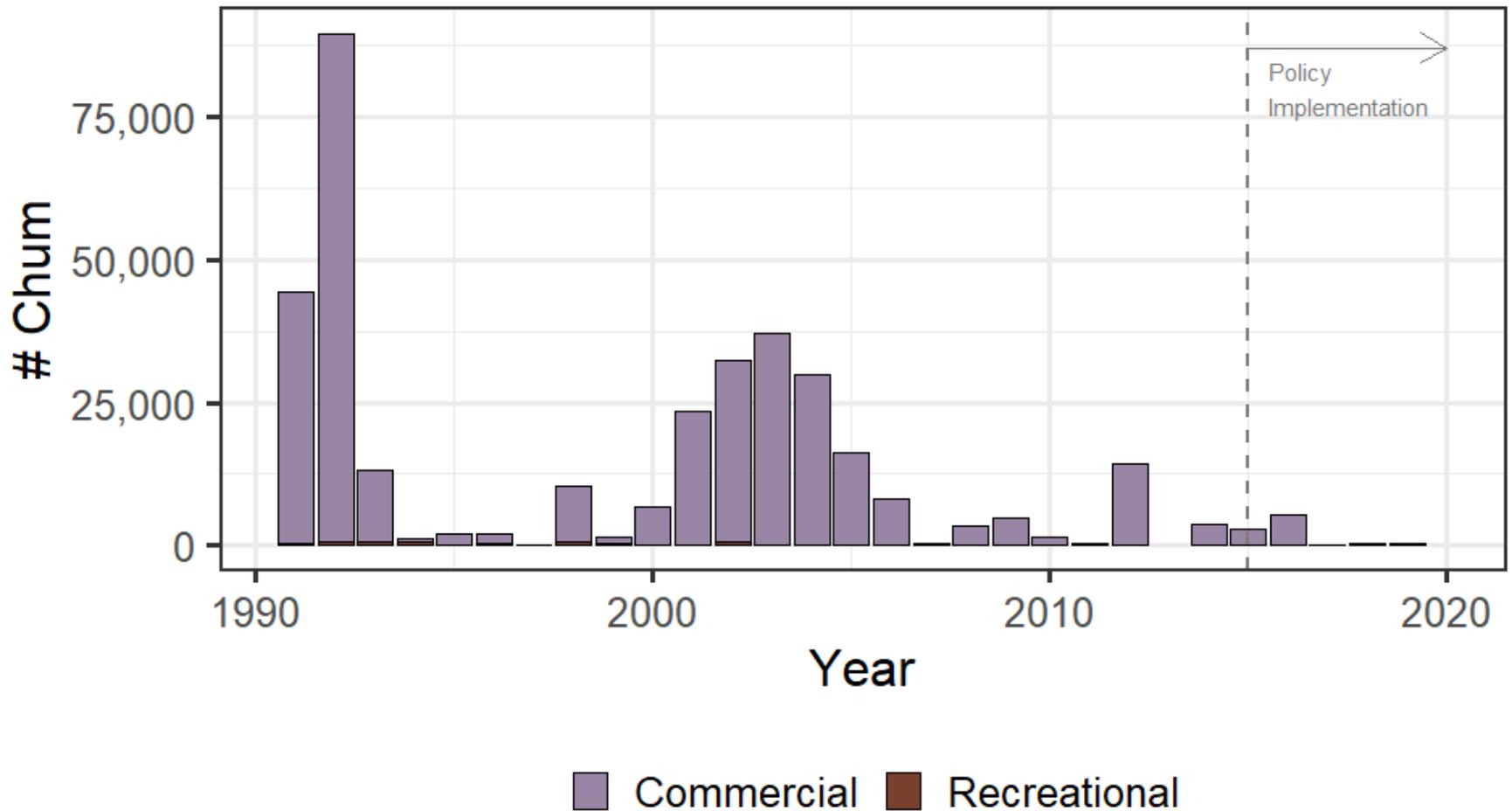
# Chinook: Landed Catch



# Coho: Landed Catch

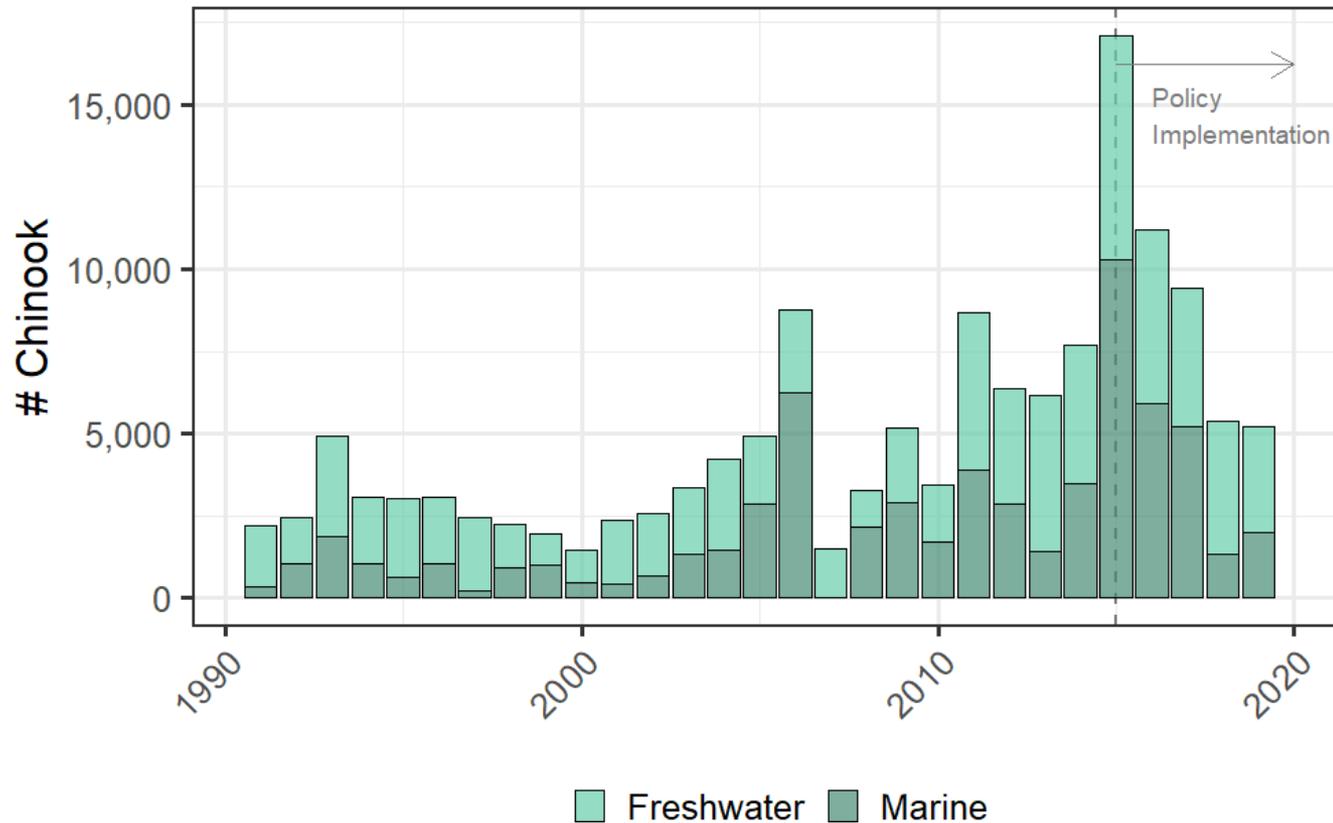


# Chum: Landed Catch



# Recreational Chinook Catch

Recreational Chinook Catch 1991 to 2019



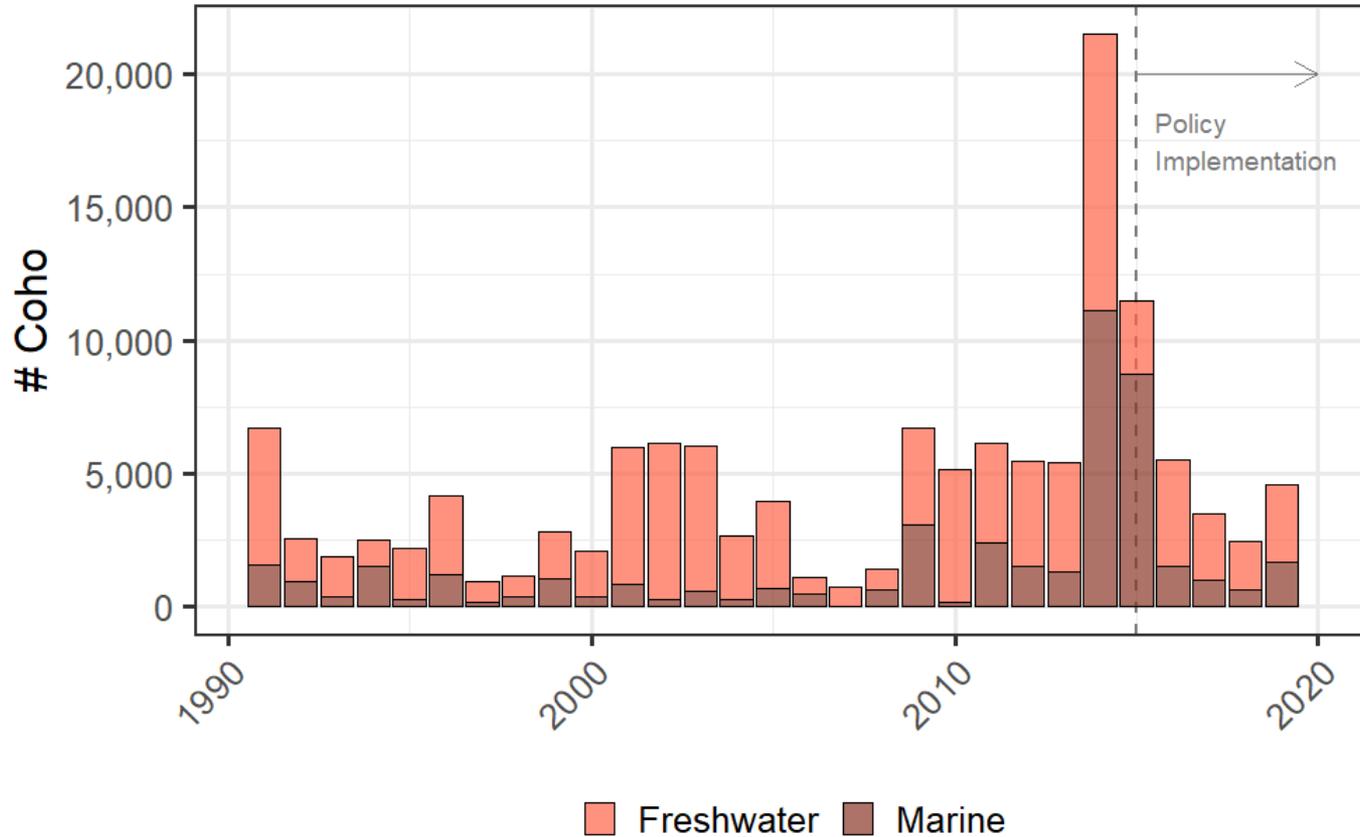
5-yr pre-policy  
Freshwater: 59%  
Marine: 31%

5-yr post-policy  
Freshwater: 49%  
Marine: 51%



# Recreational Coho Catch

Recreational Coho Catch 1991 to 2019



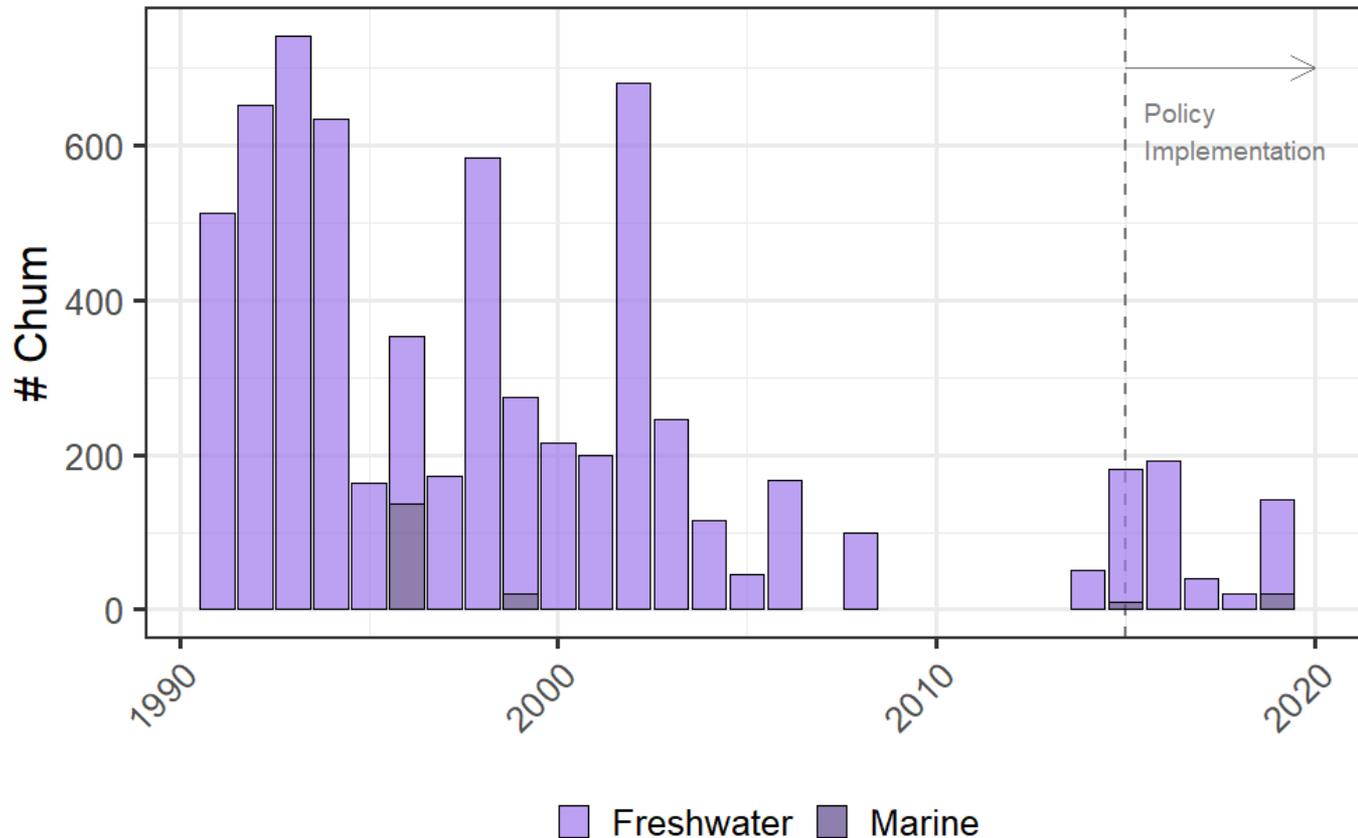
5-yr pre-policy  
Freshwater: 62%  
Marine: 38%

5-yr post-policy  
Freshwater: 51%  
Marine: 49%



# Recreational Chum Harvest

## Recreational Chum Catch 1991 to 2019



5-yr pre-policy  
Freshwater: 100%  
Marine: 0%

5-yr post-policy  
Freshwater: 95%  
Marine: 5%



# Sector Priority

## Recreational

Policy indicates recreational priority for Chinook

Priority defined as time and area

## Commercial

Policy indicates commercial priority for Coho and Chum

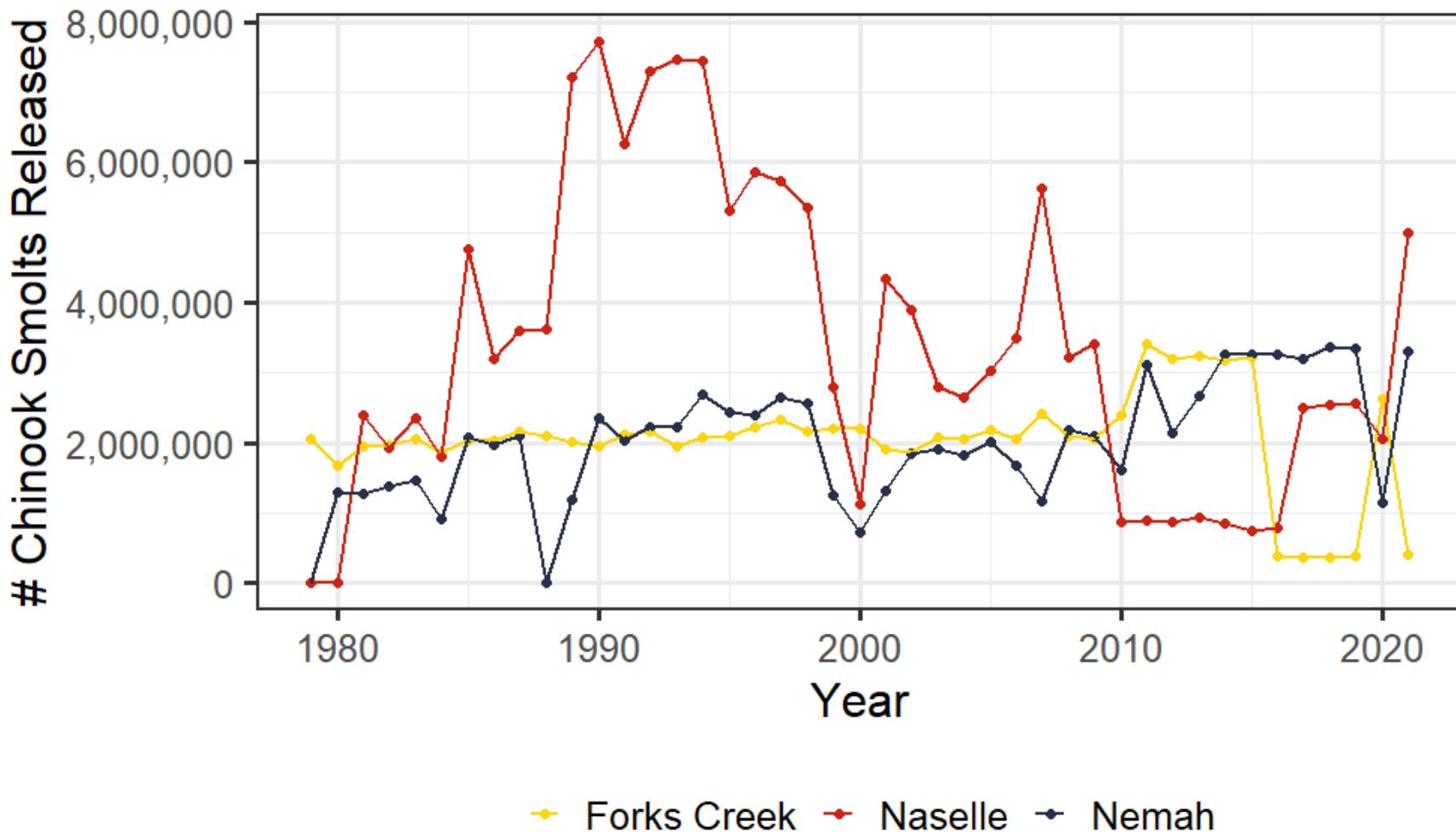
-no recommended change



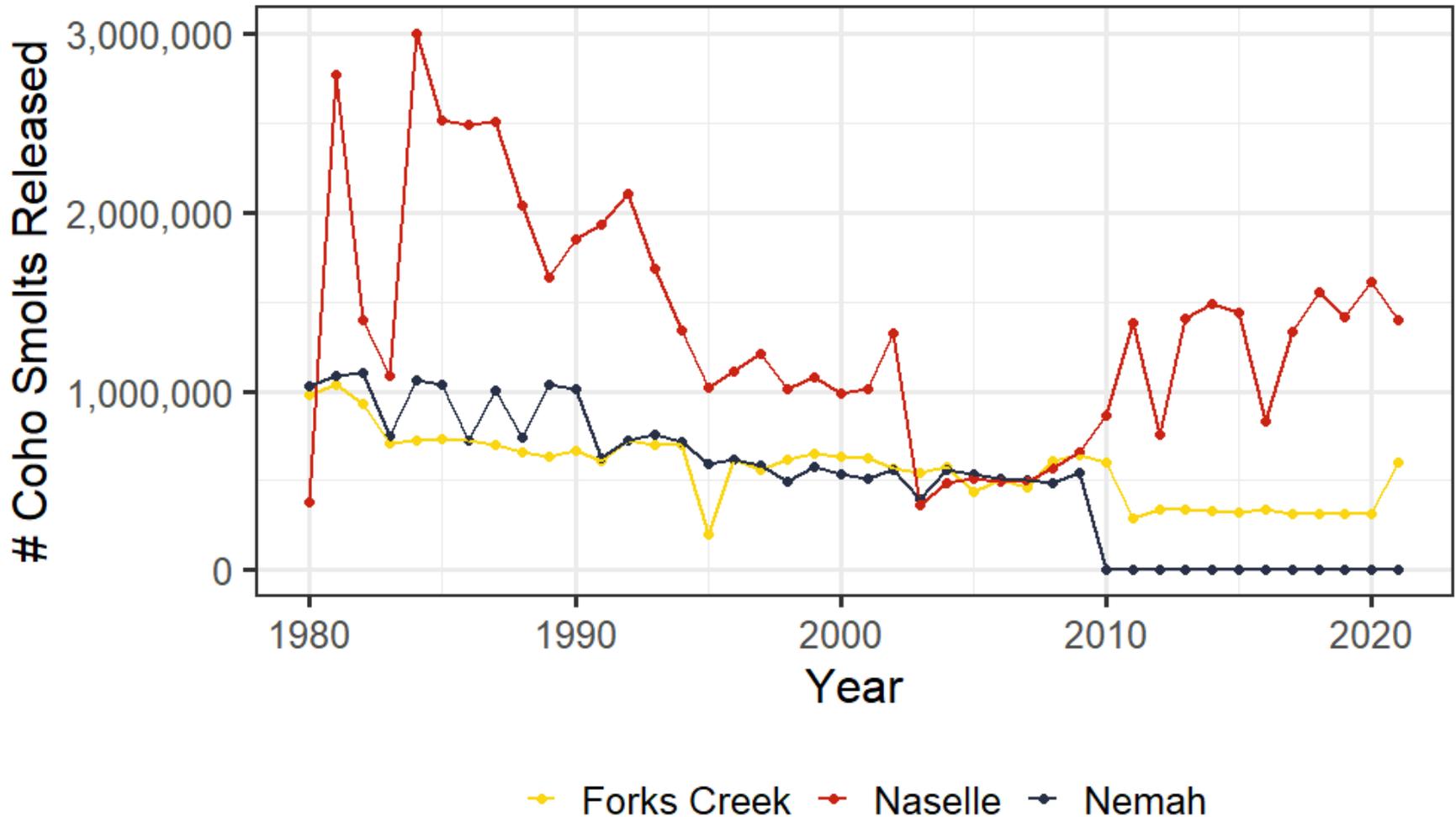


# HATCHERIES

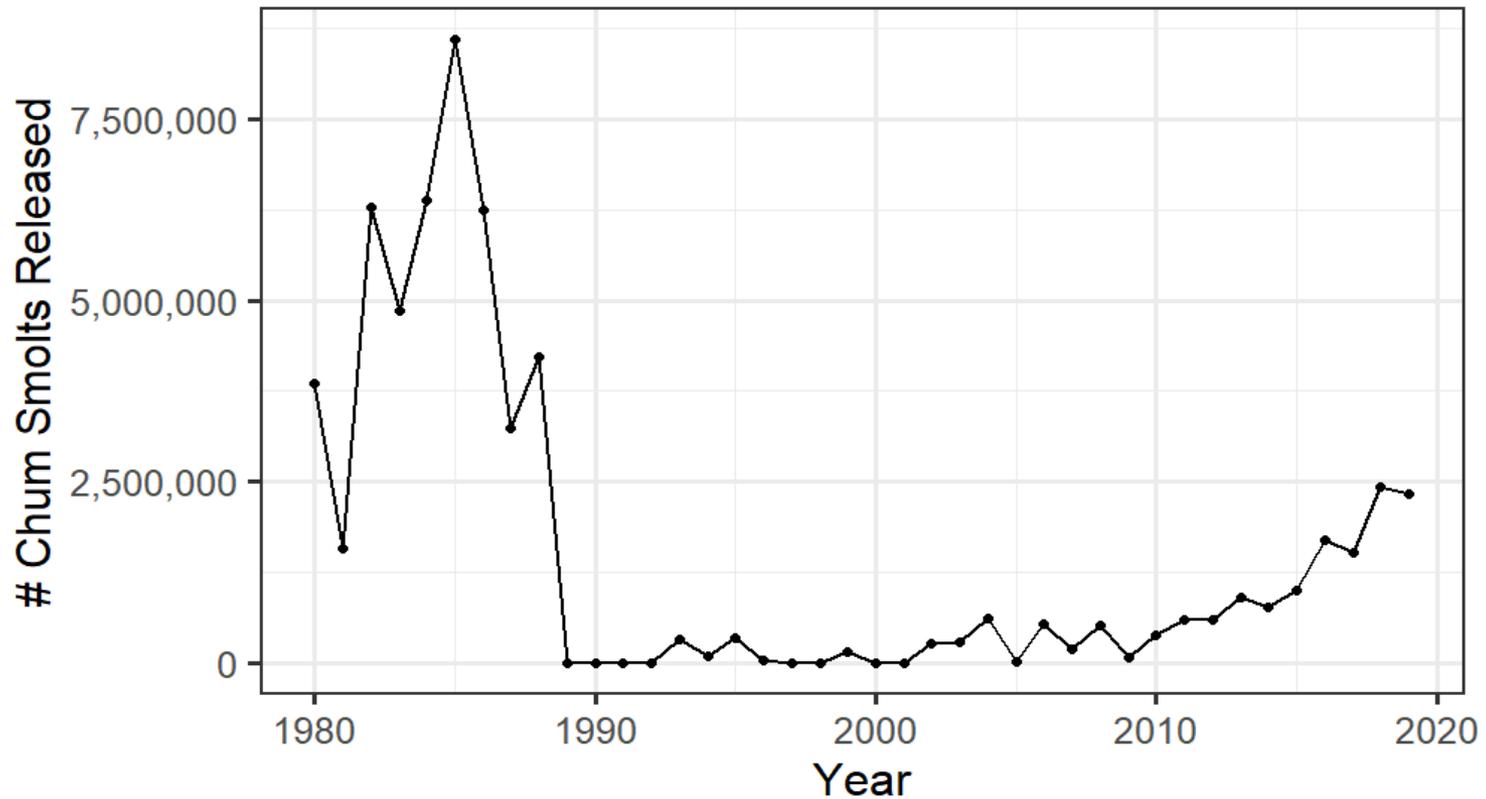
# Hatchery Production: Chinook



# Hatchery Production: Coho



# Hatchery Production: Chum



\*Basin-wide numbers



# Forks Creek Production: Out of Basin Stocks

Species	Stock	Years Released
Chinook	Big Soos	1954-58
	Deschutes	1964-67, 69-70
	Elk River	1974
	Finch Creek	1971, 79
	Kalama	2019
	Spring Creek	1953
	Trask	1974-75
	Unspecific Wild	1953-71
Coho	Big Soos	1952-56, 58
	Cowlitz	1990, 91
	Dungeness	1956-57
	Humptulips	1982
	Lake Creek	1961
	Satsop	1973
	Unspecific Wild	1952-71
	Washington State	1960
Chum	Unspecific Wild	1959-62



# Nemah & Naselle Production: Out of Basin Stocks

Hatchery	Species	Stock	Years Released
Nemah	Chinook	Abernathy	1972
		Big Soos	1954-58
		Deschutes	1962, 64-67
		Elochoman	1959
		Klickitat	1958
		Unspecific Wild	1954
	Coho	Big Soos	1954-56
		Dungeness	1956-57
		Unspecific Wild	1953-54, 62-65
	Chum	Undetermined Mix	1988
Washington State		1961-62	
Naselle	Chinook	Spring Creek	1953
		Unspecific Wild	1953
	Coho	Big Soos	1952-53
		Cowlitz	1991
		Dungeness	1982
		Humtulpis	1980-83
		Satsop	1993
		Sol Duc	1981
		Unspecific Wild	1952-53



# Willapa Hatchery Production: Background

## Chinook Population Designations

Population designations are a measure of the biological significance of a population to the recovery of the ESU. The three types of population designations are primary, contributing, and stabilizing.

- Primary populations can be described as having a high biological significance to the recovery of the ESU, historically were a large segment of the population structure and at a low risk of extinction.
- Contributing populations have some significance to the recovery of the ESU but are lower in abundance than primary populations and contribute to the diversity of the population.
- Stabilizing populations provide the lowest significance to recovery of the ESU and may not have ever been a large segment of the ESU population structure



# Future Hatchery Production

Maximize hatchery releases appropriately, taking into consideration:

- Conservation objectives
- Infrastructure
- Policy guidelines



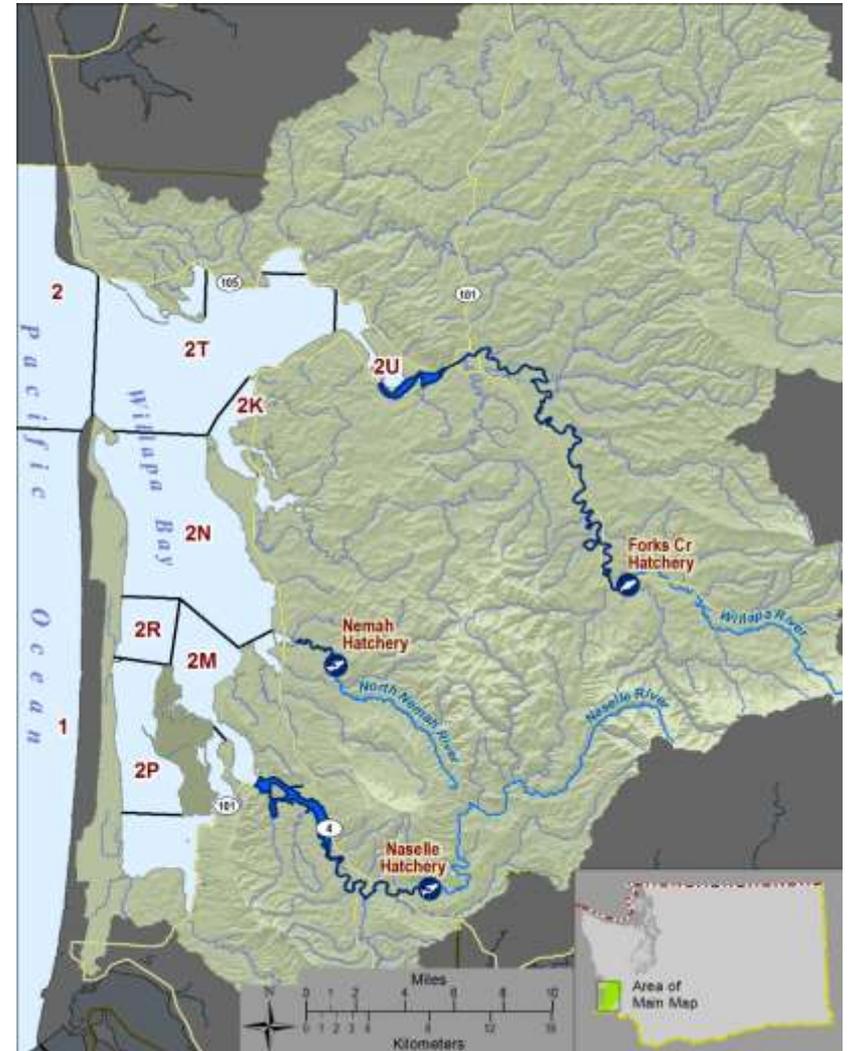
# Future Hatchery Production

## Production Shifts:

**Forks Creek:** Chinook, Coho  
-Chinook recreational fishery

**Nemah:** Chum, Coho  
-low water

**Naselle:** Chinook, Coho  
-continued density for rec.  
fishery



# Next Steps

**Public Process:** Fish Committee meeting the week before August full commission meeting

**To leave a public comment:**

<https://wdfw.wa.gov/about/commission/willapa-bay-policy-review>



# Questions?

